

Title (en)

Polyurethaneprepolymers containing alkoxysilane- and hydantoin groups, process for their preparation and their use for the preparation of sealants

Title (de)

Alkoxysilan- und Hydantoingruppen aufweisende Polyurethanprepolymere, ein Verfahren zu ihrer Herstellung sowie ihre Verwendung zur Herstellung von Dichtstoffen

Title (fr)

Prépolymères de polyuréthane contenant des groupes alkoxysilane et hydantoine, procédé de leur préparation et leur utilisation pour la préparation de matières d'étanchéité

Publication

EP 0807649 A1 19971119 (DE)

Application

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Priority

DE 19619538 A 19960515

Abstract (en)

Alkoxysilane- and hydantoin groups exhibiting polyurethane prepolymers of formula (I) are new, where A = group formed by removal of the NCO-groups from an isocyanate prepolymer with an NCO-content of 0.4-5% and an average functionality of 1.5-4; R = 1-8C alkyl group; and X, Y, Z = 1-4C alkyl- or alkoxy group, provided that at least one of the groups is an alkoxy group. In (I), A = a group which is formed by removal of the NCO-groups from an isocyanate prepolymer based on polyether polyols with an average functionality of 1.8-2.2 and an NCO-content of 0.5-2%; R = 1-2C alkyl group; and X, Y, Z = methoxy- or ethoxy groups.

Abstract (de)

Die Erfindung betrifft Alkoxysilan- und Hydantoingruppen aufweisende Polyurethane, ein Verfahren zu ihrer Herstellung sowie ihre Verwendung als Bindemittel für Polyurethandichtstoffe.

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IPC 8 full level

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CPC (source: EP KR US)

C08G 18/10 (2013.01 - EP KR US); **C08G 18/289** (2013.01 - KR); **C08G 18/3893** (2013.01 - KR); **C09K 3/10** (2013.01 - KR); **C09K 3/1021** (2013.01 - EP US); **C08G 2190/00** (2013.01 - EP KR US)

C-Set (source: EP US)

1. **C08G 18/10** + **C08G 18/289**
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Citation (search report)

- [DA] EP 0596360 A1 19940511 - BAYER AG [DE]
- [A] DE 1670812 A1 19710311 - BAYER AG

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